

Title: METHODS OF THERAPY AND DIAGNOSIS
USING TARGETING OF CELLS THAT EXPRESS
KILLER CELL IMMUNOGLOBULIN-LIKE
RECEPTOR-LIKE PROTEIN

Applicants: Peter C.R. Emtage et al.

Docket No.: NUVO-02CP

1/3

**BLASTP ALIGNMENT OF SEQ ID NO: 3 KILLER CELL Ig-LIKE
RECEPTOR-LIKE POLYPEPTIDE (KIRHy1) WITH HUMAN NK INHIBITORY
RECEPTOR PRECURSOR (SEQ ID NO: 8)**

Query: KIRHy1 (SEQ ID NO: 3)

Subject: gi|20502982 NK inhibitory receptor precursor [Homo sapiens]
(SEQ ID NO: 8)

Length = 290

Score = 574 bits (1480), Expect = e-163

Identities = 288/305 (94%), Positives = 288/305 (94%), Gaps = 15/305 (4%)

```
Query: 1  MPLLTLYLLLFWLSGYSIVTQITGPTTVNGLERGS�TVQCVYRSGWETYLKWWCRGAIWR 60
          MPLLTLYLLLFWLSGYSI TQITGPTTVNGLERGS�TVQCVYRSGWETYLKWWCRGAIWR
Sbjct: 1  MPLLTLYLLLFWLSGYSIATQITGPTTVNGLERGS�TVQCVYRSGWETYLKWWCRGAIWR 60

Query: 61  DCKILVKTSQSEQEVKRDVSIKDNQKNRTFTVTMEDLMKTDADTYWCGIEKTGNLGVТ 120
          DCKILVKTSQSEQEVKRDVSIKDNQKNRTFTVTMEDLMKTDADTYWCGIEKTGNLGVТ
Sbjct: 61  DCKILVKTSQSEQEVKRDVSIKDNQKNRTFTVTMEDLMKTDADTYWCGIEKTGNLGVТ 120

Query: 121 VQVTIDPASTPAPTTPTSTTFTAPVTQEETSSSPTLTGHHLДNRHKLLKLSVLLPLIFTI 180
          VQVTIDPA                      PVTQEETSS PTLTGHHLДNRHKLLKLSVLLPLIFTI
Sbjct: 121 VQVTIDPA-----PVTQEETSSPPTLTGHHLДNRHKLLKLSVLLPLIFTI 165

Query: 181 LLLLLVAASLLAWRMMKYQQKAAGMSPEQVLQPLEGDLСYADLTQLAGTSРRKATTKLS 240
          LLLLLVAASLLAWRMMKYQQKAAGMSPEQVLQPLEGDLСYADLTQLAGTSРRKATTKLS
Sbjct: 166 LLLLLVAASLLAWRMMKYQQKAAGMSPEQVLQPLEGDLСYADLTQLAGTSРRKATTKLS 225

Query: 241 SAQVDQVEVEYVTMASLPKEDISYASLTGAEDQEPTYCNMGHLSSHLPGRGPEEPTEYS 300
          SAQVDQVEVEYVTMASLPKEDISYASLTGAEDQEPTYCNMGHLSSHLPGRGPEEPTEYS
Sbjct: 226 SAQVDQVEVEYVTMASLPKEDISYASLTGAEDQEPTYCNMGHLSSHLPGRGPEEPTEYS 285

Query: 301 TISRP 305
          TISRP
Sbjct: 286 TISRP 290
```

FIGURE 1

**BLASTP ALIGNMENT OF SEQ ID NO: 3 KILLER CELL Ig-LIKE
RECEPTOR-LIKE POLYPEPTIDE (KIRHy1) WITH HUMAN CMRF35-LIKE
PROTEIN (SEQ ID NO: 9)**

Query: KIRHy1 (SEQ ID NO: 3)
Subject: gi|20380183 similar to CMRF35 leukocyte immunoglobulin-like receptor
[Homo sapiens] (SEQ ID NO: 9)

Length = 194

Score = 272 bits (695), Expect = 9e-72
Identities = 133/149 (89%), Positives = 133/149 (89%), Gaps = 15/149 (10%)

```
Query: 15  GYSIVTQITGPTTVNGLERGS�TVQCVYRSGWETYLKWWCRGAIWRDCKILVKTSGSEQE 74
          GYSI  TQITGPTTVNGLERGS�TVQCVYRSGWETYLKWWCRGAIWRDCKILVKTSGSEQE
Sbjct: 18  GYSIATQITGPTTVNGLERGS�TVQCVYRSGWETYLKWWCRGAIWRDCKILVKTSGSEQE 77

Query: 75  VKRDRVSIKDNQKNRTFTVTMEDLMKTDADTYWCGIEKTGNDLGVTVQVTIDPASTPAPT 134
          VKRDRVSIKDNQKNRTFTVTMEDLMKTDADTYWCGIEKTGNDLGVTVQVTIDP
Sbjct: 78  VKRDRVSIKDNQKNRTFTVTMEDLMKTDADTYWCGIEKTGNDLGVTVQVTIDP----- 130

Query: 135  TPTSTTFTAPVTQEETSSSPSLTGHHLDN 163
          APVTQEETSSSPSLTGHHLDN
Sbjct: 131  -----APVTQEETSSSPSLTGHHLDN 151
```

FIGURE 2

Title: METHODS OF THERAPY AND DIAGNOSIS
USING TARGETING OF CELLS THAT EXPRESS
KILLER CELL IMMUNOGLOBULIN-LIKE
RECEPTOR-LIKE PROTEIN

Applicants: Peter C.R. Emtage et al.

Docket No.: NUVO-02CP

3/3

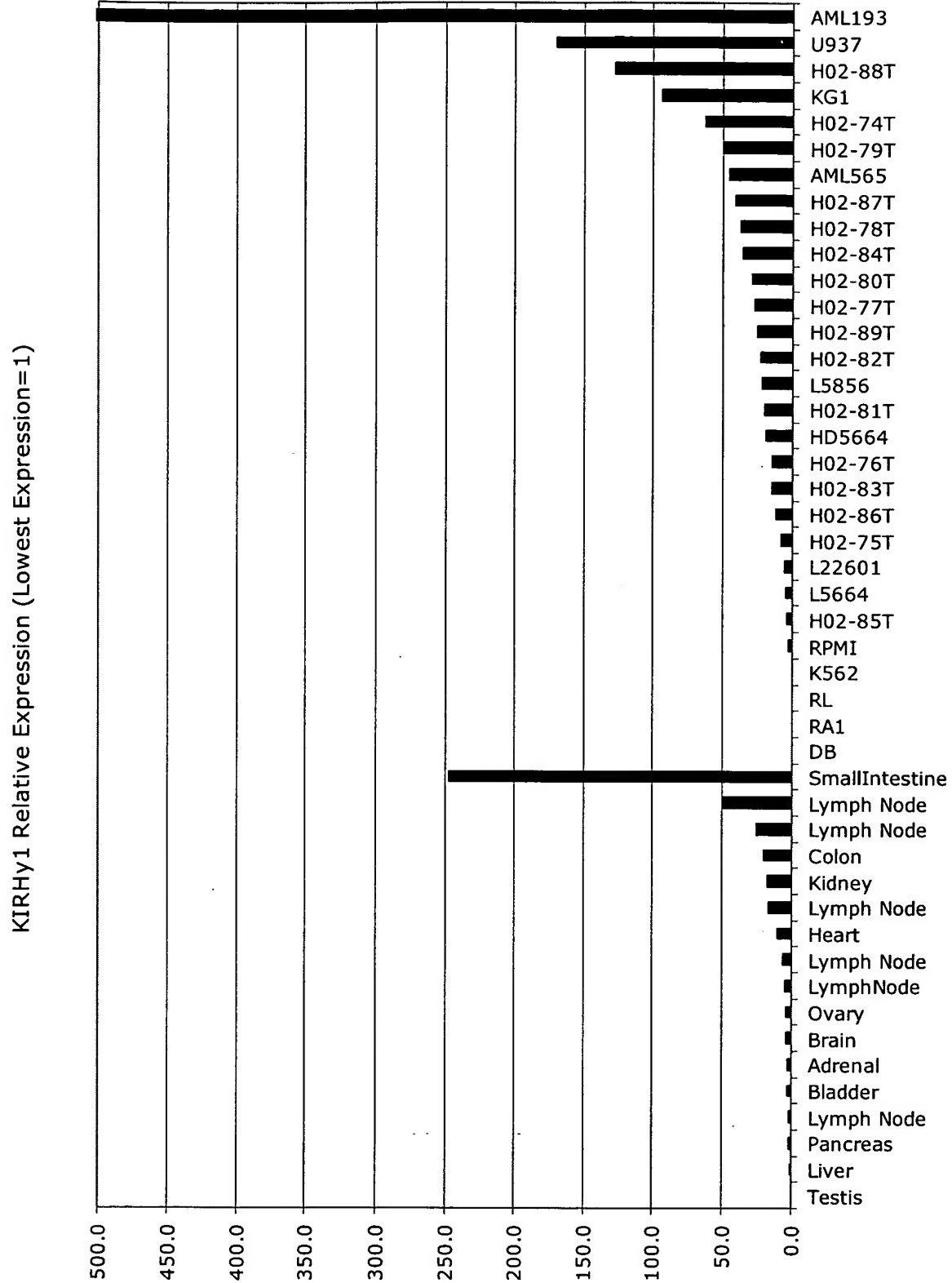


FIGURE 3